

Theorem $g : (\mathbb{R}^3, 0) \rightarrow (\mathbb{R}^2, 0)$ generic

\Rightarrow Algebraic number of cusps of
a stable perturbation \tilde{g} of g
is an invariant of the topological
 A_+ -equiv. class of g .

Idea for the Proof

- (1) Express the # of cusps of \tilde{g} in terms of the sing. fibers of $g \circ \alpha$
- (2) Show the cob. invariance of the quantity obtained in (1)